



Math 6. Klasse SZB
Schulthema 3



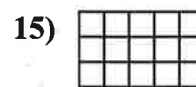
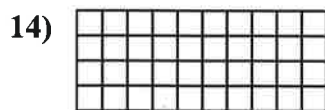
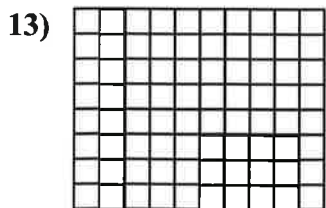
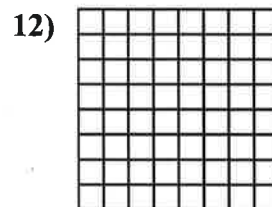
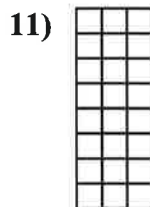
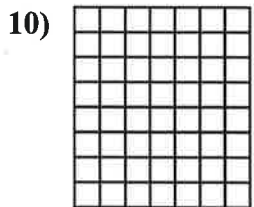
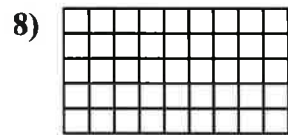
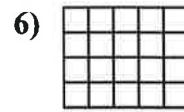
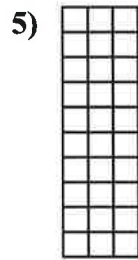
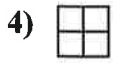
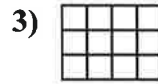
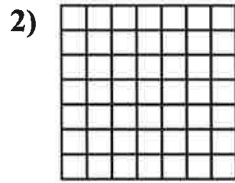
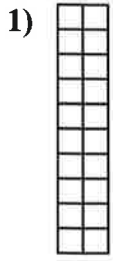
Fläche und Umfang bei Rechteck + Quadrat

Lernziele erweitert

- Fläche und Umfang von Rechtecke und Quadrat
- Fläche und Umfang von zusammengesetzten Figuren
- Umwandlungen von Flächenmassen



Berechne die Fläche. Jeder Block entspricht 1 Einheit (u²).



Antworten

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

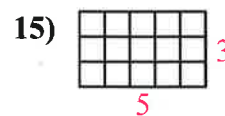
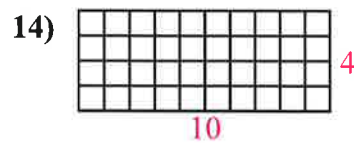
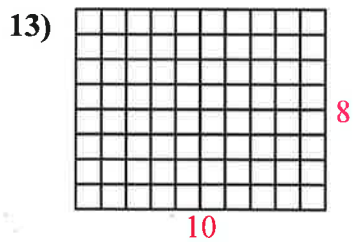
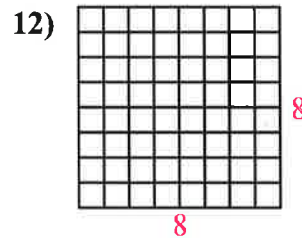
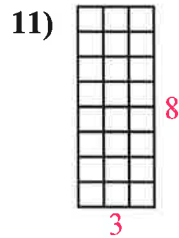
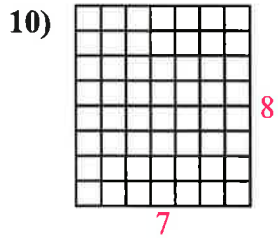
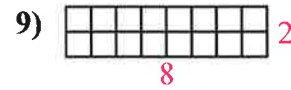
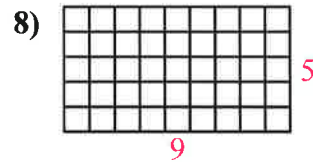
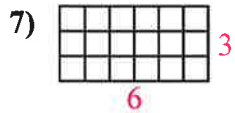
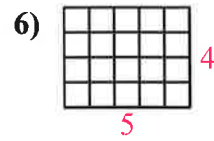
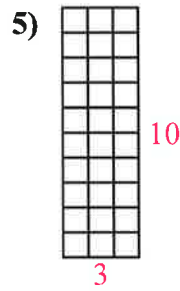
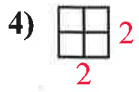
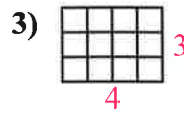
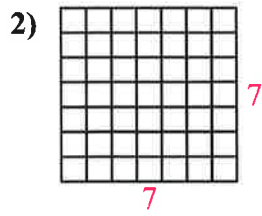
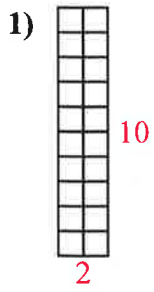
13. _____

14. _____

15. _____



Berechne die Fläche. Jeder Block entspricht 1 Einheit (u^2).



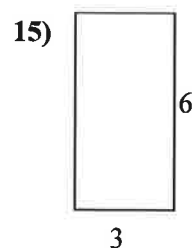
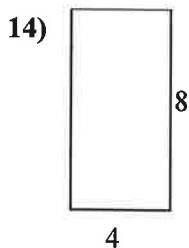
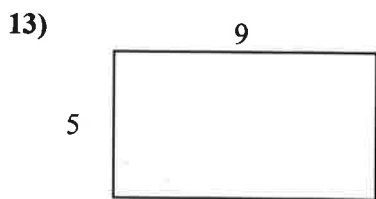
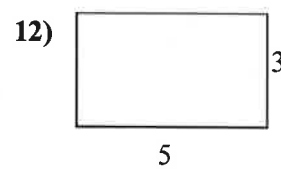
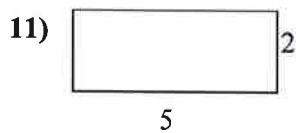
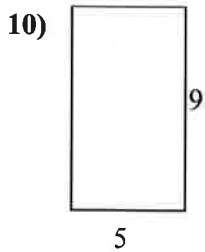
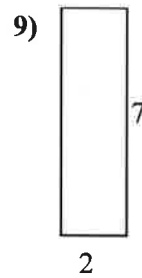
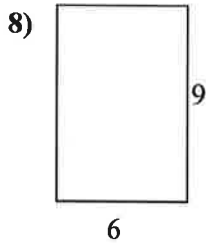
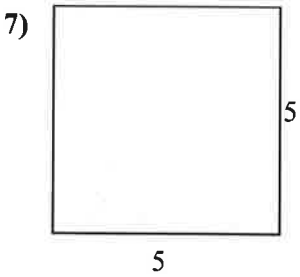
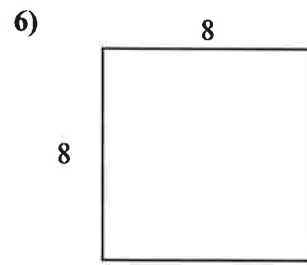
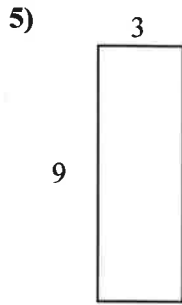
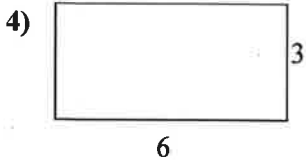
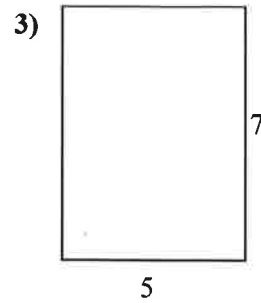
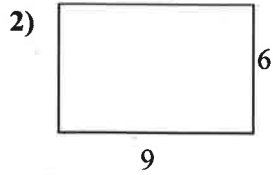
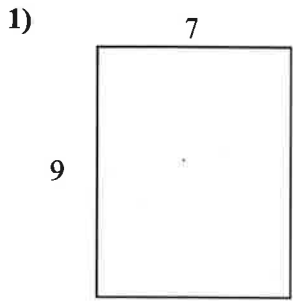
Antworten

1. 20 u^2
2. 49 u^2
3. 12 u^2
4. 4 u^2
5. 30 u^2
6. 20 u^2
7. 18 u^2
8. 45 u^2
9. 16 u^2
10. 56 u^2
11. 24 u^2
12. 64 u^2
13. 80 u^2
14. 40 u^2
15. 15 u^2



Berechne die Fläche der gezeigten Rechtecke.

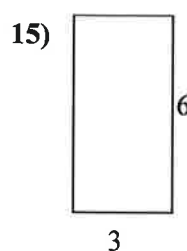
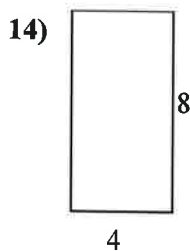
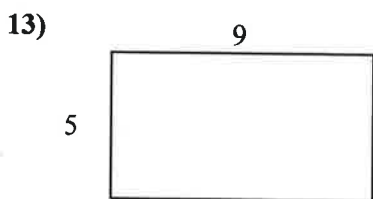
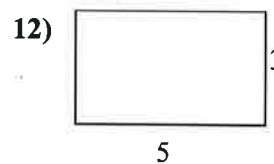
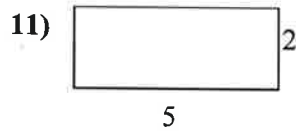
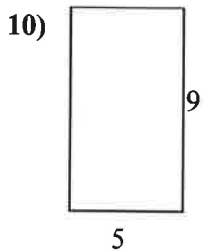
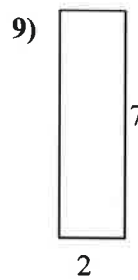
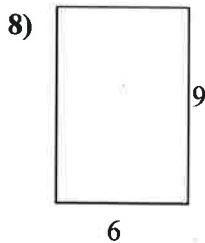
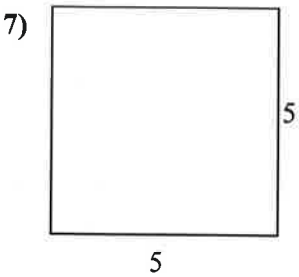
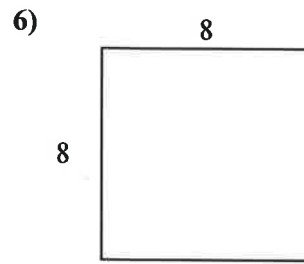
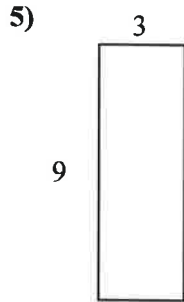
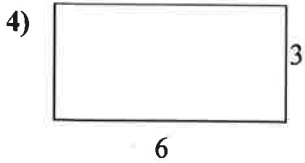
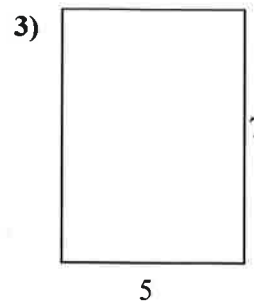
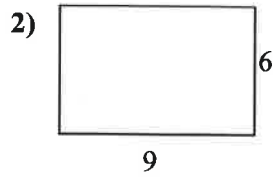
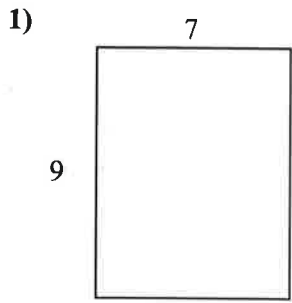
Antworten



1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____



Berechne die Fläche der gezeigten Rechtecke.



Antworten

1. 63 cm²

2. 54 cm²

3. 35 cm²

4. 18 cm²

5. 27 cm²

6. 64 cm²

7. 25 cm²

8. 54 cm²

9. 14 cm²

10. 45 cm²

11. 10 cm²

12. 15 cm²

13. 45 cm²

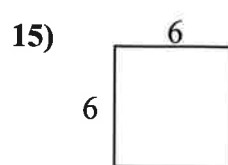
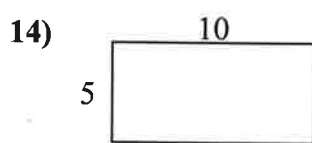
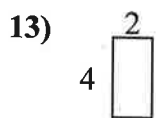
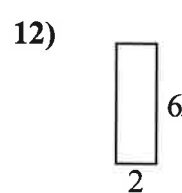
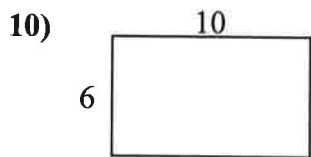
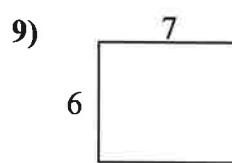
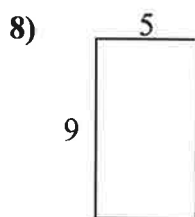
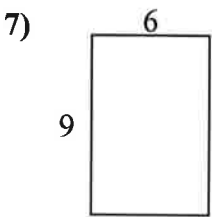
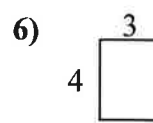
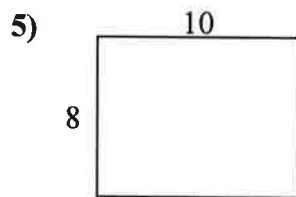
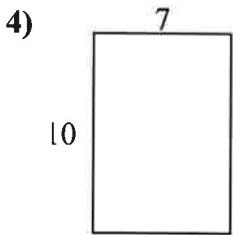
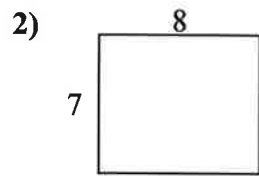
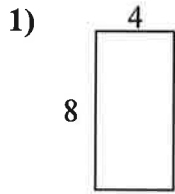
14. 32 cm²

15. 18 cm²



Bestimme den Umfang und die Fläche jeder Figur. Jede Figur ist in Zentimeter (cm).

Nicht maßstäblich.

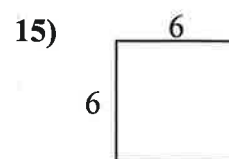
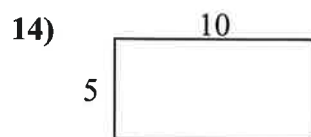
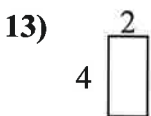
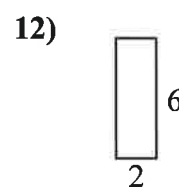
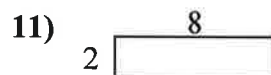
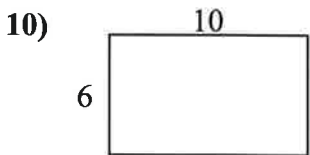
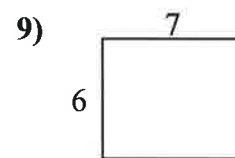
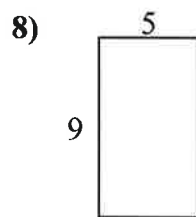
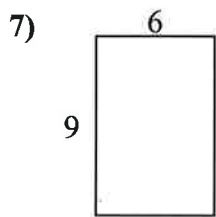
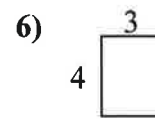
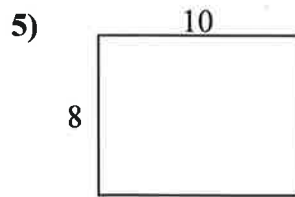
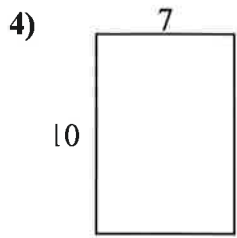
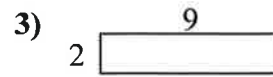
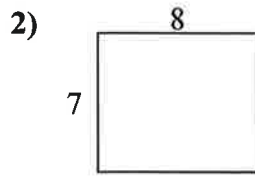
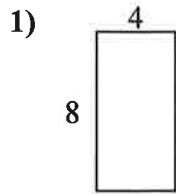
Antworten

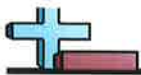
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____



Bestimme den Umfang und die Fläche jeder Figur. Jede Figur ist in Zentimeter (cm).

Nicht maßstäblich.

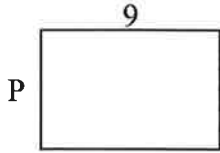
**Antworten**1. 24 cm 32 cm2. 30 cm 56 cm3. 22 cm 18 cm4. 34 cm 70 cm5. 36 cm 80 cm6. 14 cm 12 cm7. 30 cm 54 cm8. 28 cm 45 cm9. 26 cm 42 cm10. 32 cm 60 cm11. 20 cm 16 cm12. 16 cm 12 cm13. 12 cm 8 cm14. 30 cm 50 cm15. 24 cm 36 cm



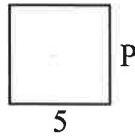
Berechne den Wert von 'P'.

Antworten

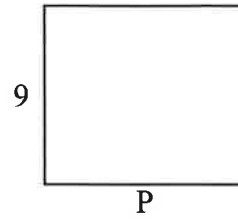
1) Fläche = 54 u^2



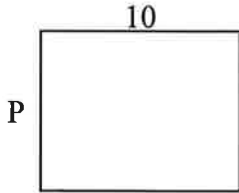
2) Fläche = 25 u^2



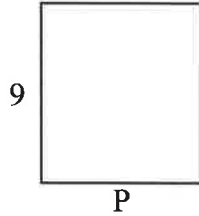
3) Fläche = 90 u^2



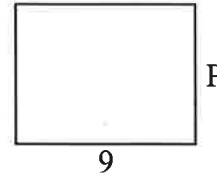
4) Fläche = 80 u^2



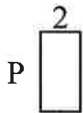
5) Fläche = 72 u^2



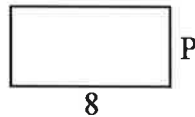
6) Fläche = 63 u^2



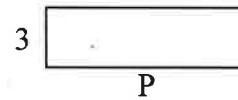
7) Fläche = 8 u^2



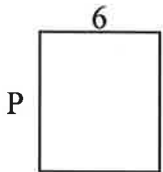
8) Fläche = 32 u^2



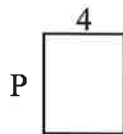
9) Fläche = 30 u^2



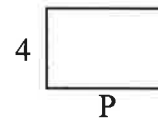
10) Fläche = 42 u^2



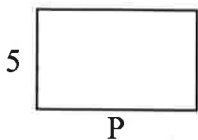
11) Fläche = 20 u^2



12) Fläche = 24 u^2



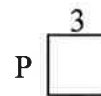
13) Fläche = 40 u^2



14) Fläche = 18 u^2



15) Fläche = 9 u^2

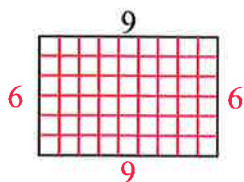


1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____

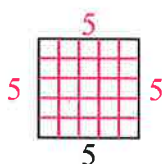


Berechne den Wert von 'P'.

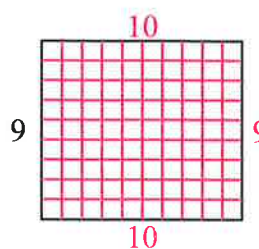
1) Fläche = 54 u^2



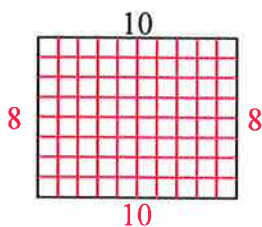
2) Fläche = 25 u^2



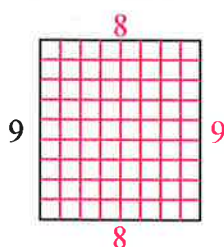
3) Fläche = 90 u^2



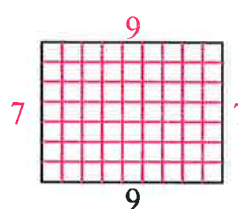
4) Fläche = 80 u^2



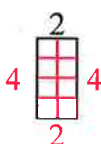
5) Fläche = 72 u^2



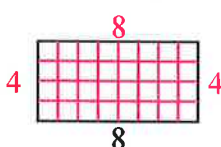
6) Fläche = 63 u^2



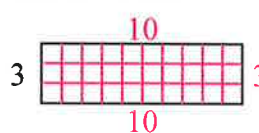
7) Fläche = 8 u^2



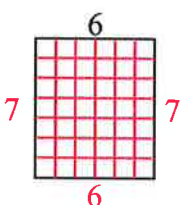
8) Fläche = 32 u^2



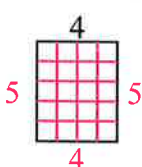
9) Fläche = 30 u^2



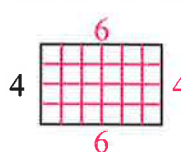
10) Fläche = 42 u^2



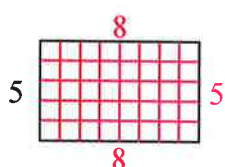
11) Fläche = 20 u^2



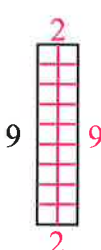
12) Fläche = 24 u^2



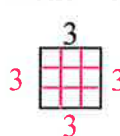
13) Fläche = 40 u^2

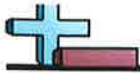


14) Fläche = 18 u^2



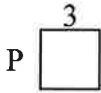
15) Fläche = 9 u^2

**Antworten**1. 62. 53. 104. 85. 86. 77. 48. 49. 1010. 711. 512. 613. 814. 215. 3

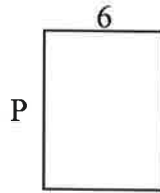


Berechne den Wert von "P".

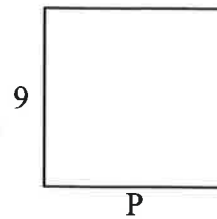
1) Umfang = 12



2) Umfang = 28



3) Umfang = 36



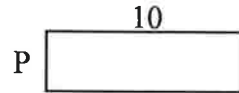
4) Umfang = 10



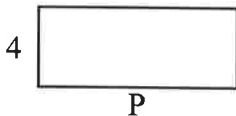
5) Umfang = 22



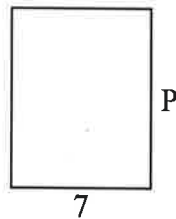
6) Umfang = 26



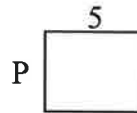
7) Umfang = 28



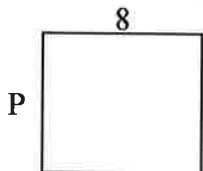
8) Umfang = 32



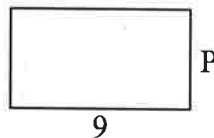
9) Umfang = 18



10) Umfang = 30



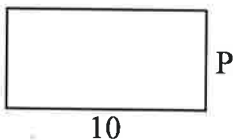
11) Umfang = 28



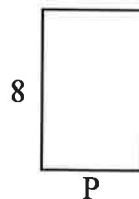
12) Umfang = 16



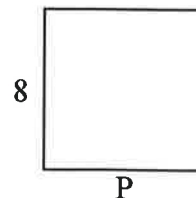
13) Umfang = 30



14) Umfang = 26



15) Umfang = 32

**Antworten**

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

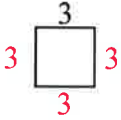
14. _____

15. _____

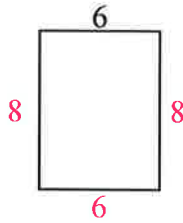


Berechne den Wert von "P".

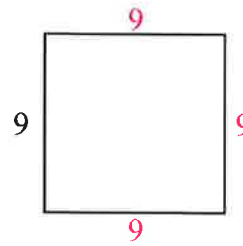
1) Umfang = 12



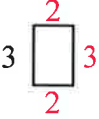
2) Umfang = 28



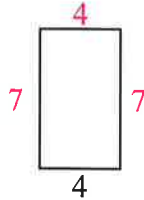
3) Umfang = 36



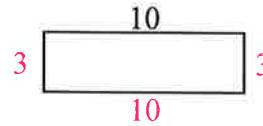
4) Umfang = 10



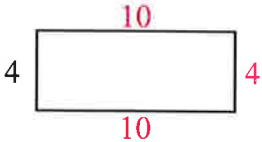
5) Umfang = 22



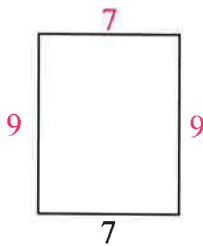
6) Umfang = 26



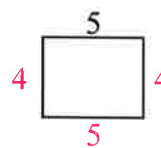
7) Umfang = 28



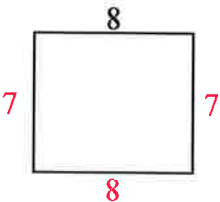
8) Umfang = 32



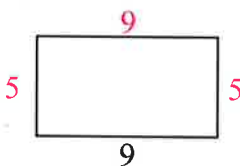
9) Umfang = 18



10) Umfang = 30



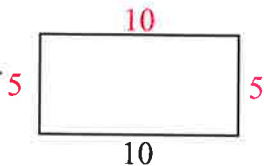
11) Umfang = 28



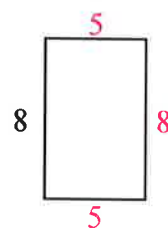
12) Umfang = 16



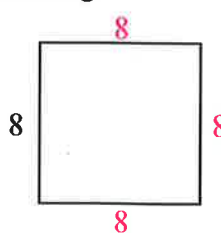
13) Umfang = 30

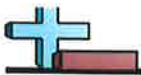


14) Umfang = 26



15) Umfang = 32

**Antworten**1. 3 cm2. 8 cm3. 9 cm4. 2 cm5. 7 cm6. 3 cm7. 10 cm8. 9 cm9. 4 cm10. 7 cm11. 5 cm12. 6 cm13. 5 cm14. 5 cm15. 8 cm

**Löse die Aufgaben.**

- 1) Ein Badezimmer hatte eine Länge von 9 m und eine Gesamtfläche von 18 m^2 . Was ist die Breite des Badezimmers?
- 2) Anna kaufte Geschenkpapier für Weihnachten, das 3 cm lang war und eine Gesamtfläche von 15 cm^2 hatte. Was war die Breite des Geschenkpapiers?
- 3) Leonie schnitt ein Stück Stoff für eine Freundin aus. Sie schnitt ein Stück aus, das 10 cm breit war und eine Fläche von 90 cm^2 hatte. Wie lang ist das Stück Stoff?
- 4) Eine Insel im Pazifischen Ozean war 3 km breit. Sie hatte eine Gesamtfläche von 12 km^2 . Wie lang ist die Insel?
- 5) Ein Bauernhof war 3 km breit und 10 km lang. Wie groß ist der Umfang des Bauernhofs?
- 6) Alina hatte ein Blatt Papier, das 8 cm lang und 8 cm breit war. Wie groß ist der Umfang des Papiers?
- 7) Der neue Sandkasten auf dem Spielplatz war 3 m breit und 4 m lang. Wie groß ist der Umfang des Sandkastens?
- 8) Der Wald hinter Moritz's Haus war 10 km breit und 6 km lang. Wie groß ist die Fläche des Waldes?
- 9) Vanessa hatte ein Blatt Papier, das 8 cm lang und 7 cm breit war. Wie groß ist die Fläche des Papiers?
- 10) Die Oberfläche eines Schwimmbades war 7 m breit und 3 m lang. Wie groß ist der Umfang der Oberfläche?

Antworten

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

**Löse die Aufgaben.**

- 1) Ein Badezimmer hatte eine Länge von 9 m und eine Gesamtfläche von 18 m^2 . Was ist die Breite des Badezimmers?
- 2) Anna kaufte Geschenkpapier für Weihnachten, das 3 cm lang war und eine Gesamtfläche von 15 cm^2 hatte. Was war die Breite des Geschenkpapiers?
- 3) Leonie schnitt ein Stück Stoff für eine Freundin aus. Sie schnitt ein Stück aus, das 10 cm breit war und eine Fläche von 90 cm^2 hatte. Wie lang ist das Stück Stoff?
- 4) Eine Insel im Pazifischen Ozean war 3 km breit. Sie hatte eine Gesamtfläche von 12 km^2 . Wie lang ist die Insel?
- 5) Ein Bauernhof war 3 km breit und 10 km lang. Wie groß ist der Umfang des Bauernhofs?
- 6) Alina hatte ein Blatt Papier, das 8 cm lang und 8 cm breit war. Wie groß ist der Umfang des Papiers?
- 7) Der neue Sandkasten auf dem Spielplatz war 3 m breit und 4 m lang. Wie groß ist der Umfang des Sandkastens?
- 8) Der Wald hinter Moritz's Haus war 10 km breit und 6 km lang. Wie groß ist die Fläche des Waldes?
- 9) Vanessa hatte ein Blatt Papier, das 8 cm lang und 7 cm breit war. Wie groß ist die Fläche des Papiers?
- 10) Die Oberfläche eines Schwimmbades war 7 m breit und 3 m lang. Wie groß ist der Umfang der Oberfläche?

Antworten

1. 2 m
2. 5 cm
3. 9 cm
4. 4 km
5. 26 km
6. 32 cm
7. 14 m
8. 60 km^2
9. 56 cm^2
10. 20 m