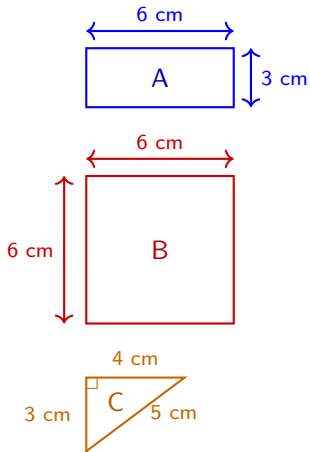


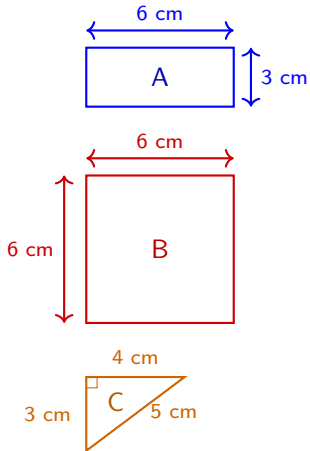
Areas, Perimeters & Averages

Starter



- $6 \times 3 = ?$
- $\frac{3}{24} + \frac{5}{24} = ?$
- $\frac{1}{2} \times 4 \times 3 = ?$
- $-3 \times -2 = ?$
- Find the mean of 8, 14, 20.
- What fraction of 60 is 6? Simplify fully.
- Find the **area** of each shape A, B and C. _____, _____, _____.
- Find the **perimeter** of each shape A, B and C. _____, _____, _____.
- Find the **mean area** of the three shapes. ____.
- Find the **mean perimeter** of the three shapes. ____.
- What fraction of the total area does shape C make up? _____.

Starter



1. $6 \times 3 = 18$ 2. $\frac{3}{24} + \frac{5}{24} = \frac{1}{3}$

3. $\frac{1}{2} \times 4 \times 3 = 6$ 4. $-3 \times -2 = 6$

5. Find the mean of 8, 14, 20. **14**

6. What fraction of 60 is 6? Simplify fully. **$\frac{1}{10}$**

7. Find the **area** of each shape A, B and C. **$A = 18$, $B = 36$, $C = 6$.**

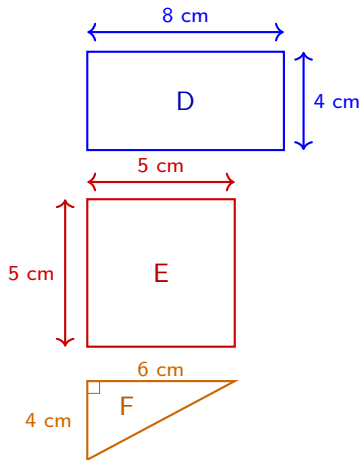
8. Find the **perimeter** of each shape A, B and C. **$A = 18$, $B = 24$, $C = 12$.**

9. Find the **mean area** of the three shapes. **20.**

10. Find the **mean perimeter** of the three shapes. **18.**

11. What fraction of the total area does shape C make up? **$\frac{6}{60} = \frac{1}{10}$.**

Starter



1. $8 \times 4 = ?$ 2. $\frac{7}{20} + \frac{9}{20} = ?$

3. $\frac{1}{2} \times 6 \times 4 = ?$ 4. $-5 \times 4 = ?$

5. Find the mean of 6, 12, 18.

6. What fraction of 80 is 12? Simplify fully.

7. Find the **area** of each shape D, E and F. _____, _____, _____.

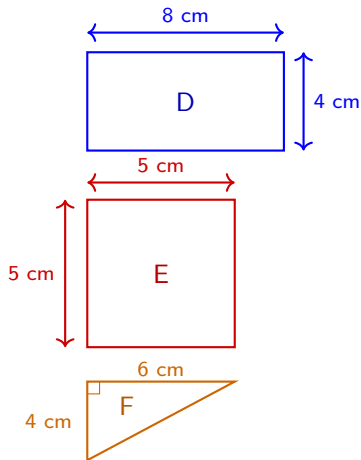
8. Find the **perimeter** of each shape D, E and F. _____, _____, _____.

9. Find the **mean area** of the three shapes. ____.

10. Find the **mean perimeter** of the three shapes. _____.

11. What fraction of the total area does shape F make up?

Starter



1. $8 \times 4 = 32$

2. $\frac{7}{20} + \frac{9}{20} = \frac{4}{5}$

3. $\frac{1}{2} \times 6 \times 4 = 12$

4. $-5 \times 4 = -20$

5. Find the mean of 6, 12, 18. **12**

6. What fraction of 80 is 12? Simplify fully. $\frac{3}{20}$

7. Find the **area** of each shape D, E and F. **$D = 32$, $E = 25$, $F = 12$.**

8. Find the **perimeter** of each shape D, E and F. **$D = 24$, $E = 20$, $F = 10 + 2\sqrt{13}$.**

9. Find the **mean area** of the three shapes. **23.**

10. Find the **mean perimeter** of the three shapes. **$\frac{54+2\sqrt{13}}{3}$.**

11. What fraction of the total area does shape E make up? **$\frac{12}{12+25+12} = \frac{4}{49}$.**