



Measurement

1 Convert this value to liters

22 dl

A 22 l	B 220 l
C 2.2 l	D 0.0022 l
E 0.022 l	F 0.22 l

2 Convert this value to decaliters

3 hl

A 0.03 dal	B 3 dal
C 30 dal	D 30,000 dal
E 300 dal	F 3,000 dal

3 Convert this value to millimeters

0.027 m

A 27,000 mm	B 270 mm
C 0.27 mm	D 27 mm
E 0.027 mm	F 2.7 mm

4 Convert this value to milligrams

5 cg

A 50,000 mg	B 0.05 mg
C 500 mg	D 5,000 mg
E 50 mg	F 0.5 mg

5 Convert this value to grams

1 kg

A 100 g	B 1,000 g
C 10,000 g	D 100,000 g
E 10 g	F 1 g

6 Convert this value to gallons and quarts

20 cp

A 3.7 qt	B 3 gal 0.5 qt
C 1 gal 1 qt	D 2.5 qt
E 1 gal 3.5 qt	F 12 gal 2 qt

7 Convert this value to miles and feet

31,688 ft

A 6 mi 8 ft	B 9 mi 12 ft
C 1 mi 2,642 ft	D 317 ft
E 19 mi 2,666 ft	F 4 mi 2,646 ft

8 Convert this value to inches

81 mi

A 10,264,320 in	B 513,216 in
C 5,132,160 in	D 8,981,280 in
E 12,830,400 in	F 2,566,080 in



Measurement

9 Convert this value to pounds and ounces

371 oz

A 52 lb 3 oz

B 231 lb 14 oz

C 5 lb 13 oz

D 46 lb 6 oz

E 28 lb 16 oz

F 23 lb 3 oz

10 Convert this value to ounces

1.375 lb

A 2.2 oz

B 66 oz

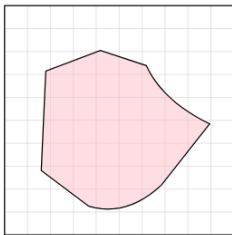
C 39 oz

D 33 oz

E 22 oz

F 0.22 oz

11 About how many grid squares does this shape cover?



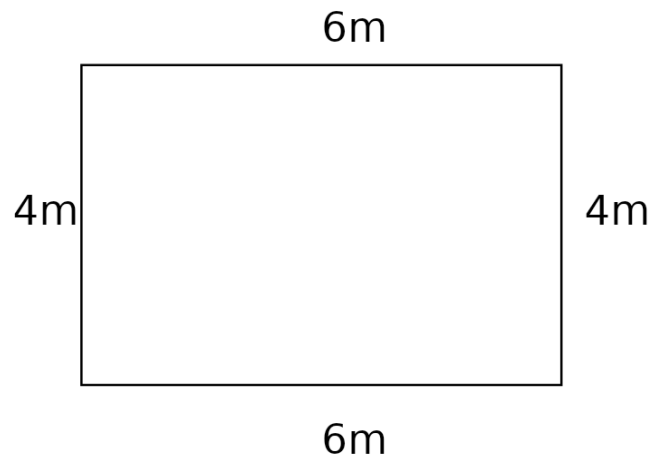
A 40

B 35

C 47

D 27

12 Find the perimeter



A 48m

B 12m

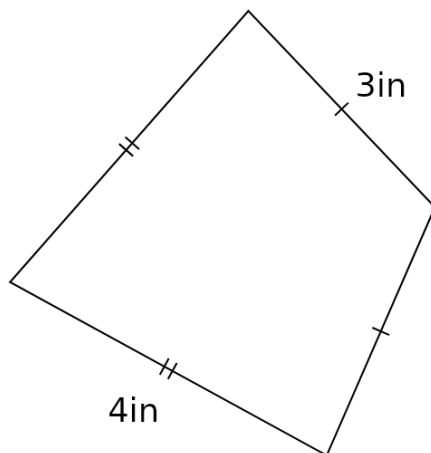
C 30m

D 20m

E 24m

F 28m

13 Find the perimeter of the kite



A 11in

B 25in

C 6in

D 22in

E 14in

F 3in

14 Find the perimeter of the shape on this grid of 1x1 squares



A 16

B 19

C 10

D 18

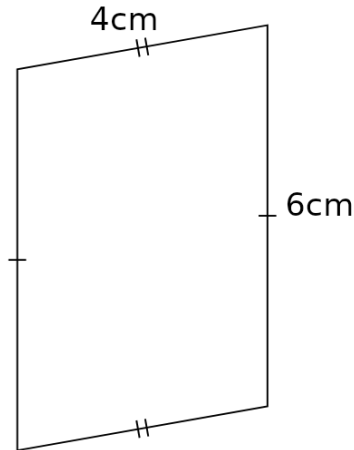
E 4

F 14



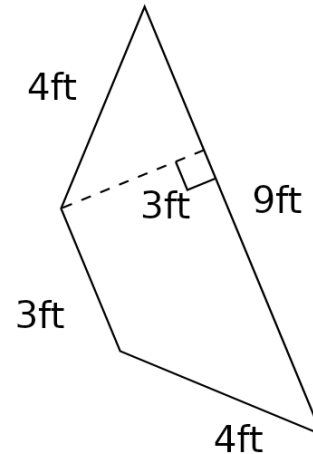
Measurement

15 Find the perimeter of the parallelogram



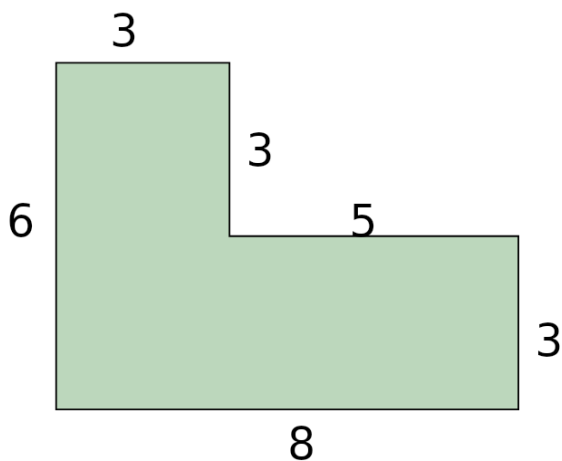
- | | | |
|-----------|-----------|-----------|
| A
25cm | B
20cm | C
18cm |
| D
24cm | E
16cm | F
13cm |

16 Find the perimeter of the trapezoid



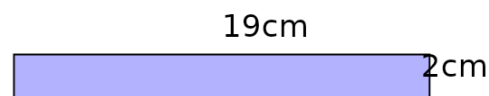
- | | | |
|-----------|-----------|-----------|
| A
28ft | B
14ft | C
18ft |
| D
16ft | E
20ft | F
12ft |

17 Find the area of the shape



- | | | |
|---------|---------|---------|
| A
12 | B
14 | C
80 |
| D
70 | E
90 | F
33 |

18 Find the area of this rectangle



- | |
|----------------------|
| A
38cm^2 |
| B
21cm^2 |
| C
80cm^2 |

19 What is the area of a shape with these dimensions?

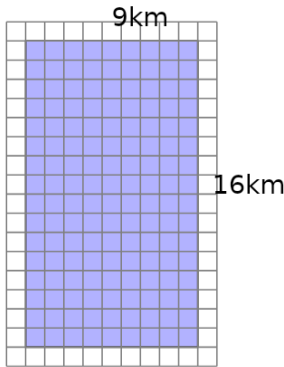
Rectangle
width : 2ft
height : 19ft

- | | |
|-----------------------|----------------------|
| A
138ft^2 | B
21ft^2 |
| C
38ft^2 | D
42ft^2 |
| E
4ft^2 | |



Measurement

20 Find the number of 1km by 1km squares this rectangle covers



- | | |
|----------------------|----------------------|
| A 18km ² | B 221km ² |
| C 144km ² | D 247km ² |
| E 25km ² | |

21 How many hours and minutes later is the second clock?

8:00 vs. 8:02

- | | |
|----------------|----------------|
| A 1 hr 2 mins | B 2 mins |
| C 1 hr 47 mins | D 1 hr 32 mins |
| E 58 mins | F 28 mins |

22 How many hours and minutes later is the second clock?

6:30 vs. 7:33

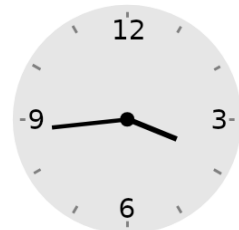
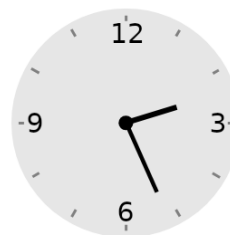
- | | |
|---------------|-----------------|
| A 12 mins | B 2 hrs 48 mins |
| C 1 hr 3 mins | D 2 hrs 3 mins |
| E 42 mins | F 18 mins |

23 How many minutes later is the second clock?

1:40 vs. 2:46

- | | |
|------------|-----------|
| A 141 mins | B 66 mins |
| C 81 mins | D 6 mins |
| E 51 mins | F 39 mins |

24 How many minutes later is the second clock?

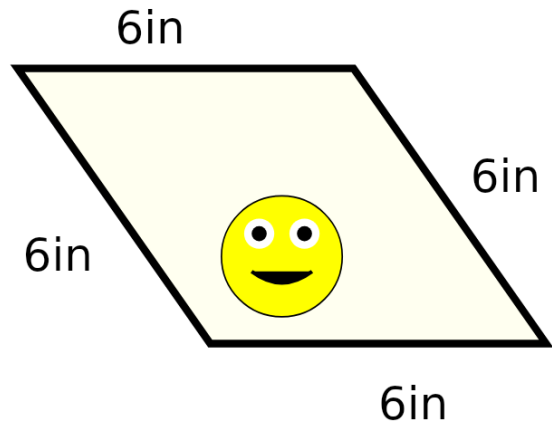
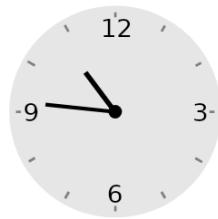
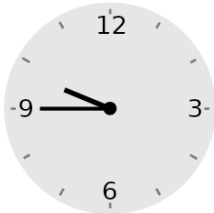


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|------------|------------|-----------|
| A 138 mins | B 153 mins | C 3 mins |
| D 78 mins | E 93 mins | F 18 mins |



Measurement

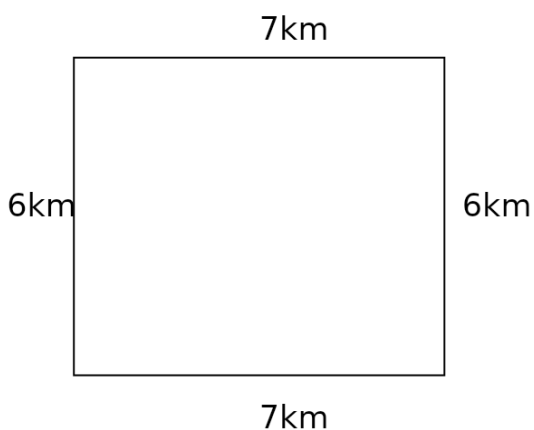
- 25** How many hours and minutes later is the second clock?
- 26** How long is the border around the outside of this painting?



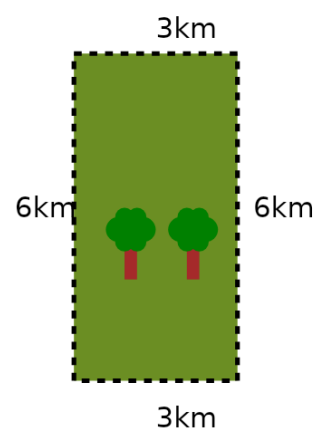
- | | | |
|----------------|-----------------|-----------------|
| A 1 hr 1 min | B 1 min | C 2 hrs 46 mins |
| D 1 hr 46 mins | E 2 hrs 31 mins | F 16 mins |

- | | | |
|--------|--------|--------|
| A 8in | B 24in | C 30in |
| D 36in | E 40in | F 10in |

- 27** Find the total length of all 4 sides of this rectangle



- 28** How far is it to run around the outside of this park?



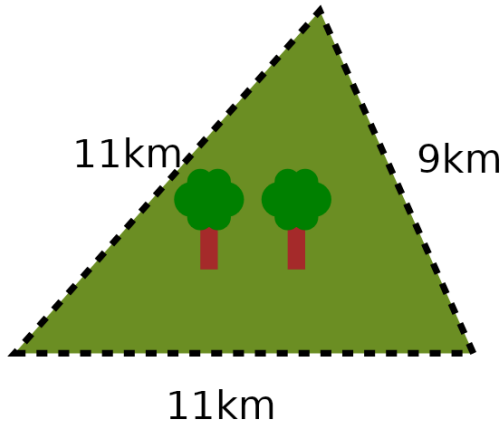
- | | | |
|--------|--------|--------|
| A 84km | B 38km | C 42km |
| D 26km | E 14km | F 13km |

- | | | |
|--------|--------|--------|
| A 27km | B 18km | C 22km |
| D 8km | E 20km | F 16km |



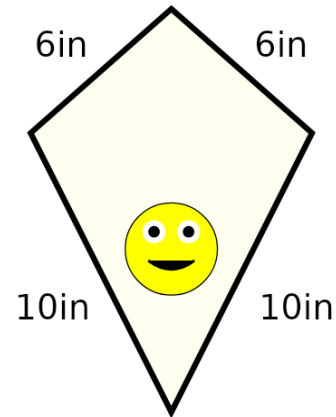
Measurement

29 How far is it to run around the outside of this park?



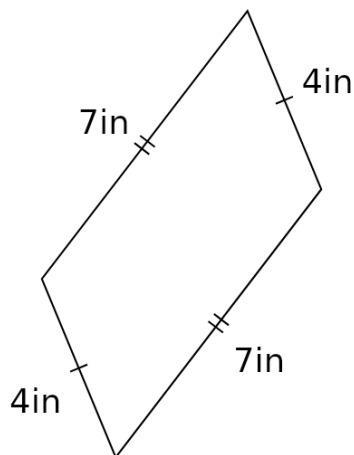
- | | | |
|--------|--------|--------|
| A 31km | B 55km | C 40km |
| D 43km | E 49km | F 4km |

30 How long is the border around the outside of this painting?



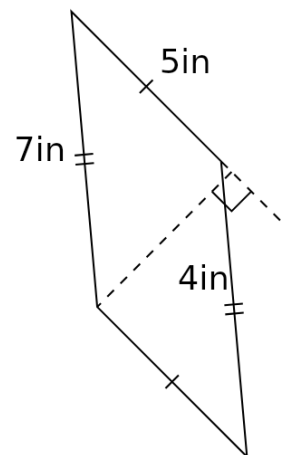
- | | | |
|--------|--------|--------|
| A 32in | B 26in | C 29in |
| D 50in | E 5in | F 17in |

31 Find the perimeter of the parallelogram



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|--------|--------|--------|
| A 18in | B 15in | C 6in |
| D 22in | E 14in | F 17in |

32 Find the perimeter of the parallelogram



- | | | |
|--------|--------|--------|
| A 17in | B 30in | C 19in |
| D 7in | E 16in | F 24in |