

9:02 | Units of Length

Name: _____

Class: _____

Examples



- When converting or changing to a smaller unit, multiply.
- When converting to a larger unit, divide.

1 5 m = ... cm
m is larger unit,
multiply by 100
 $5 \times 100 = 500$ cm

2 80 mm = ... cm
mm is smaller unit,
divide by 10
 $80 \div 10 = 8$ cm

10 mm = 1 cm
100 cm = 1 m
1000 mm = 1 m
1000 m = 1 km

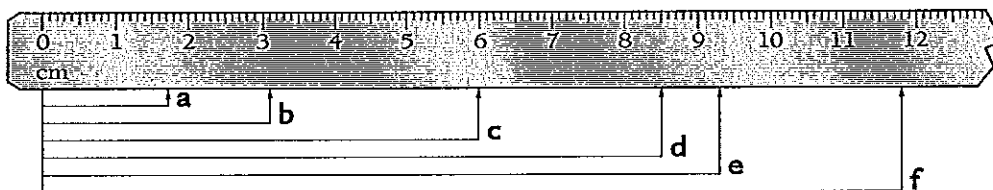
3 2 min = ... s
min is larger unit,
 $2 \times 60 = 120$ s

4 360 min = ... h
min is smaller unit,
 $360 \div 60 = 6$ h

1 h = 60 min, 1 min = 60 s

Exercise

1 Write down the length of each interval to the nearest centimetre.



- 2 a 8 cm = ... mm b 300 cm = ... m c 90 mm = ... cm d 8000 mm = ... m
e 7 km = ... m f 9 m = ... cm g 3 m = ... mm h 12 cm = ... mm
i 5000 m = ... km j 1500 cm = ... m k 2 km = ... m l 11 m = ... mm
m 50 mm = ... cm n 10 km = ... m o 8000 m = ... km p 600 cm = ... m
q 12 000 mm = ... m r 20 cm = ... mm s 62 000 m = ... km t 6 m = ... mm
- 3 a 3 min = ... s b 2 h = ... min c 120 s = ... min d 600 min = ... h
e 5 min = ... s f 480 s = ... min g 24 h = ... min h 300 min = ... h
i 20 min = ... s j 30 min = ... h k 900 s = ... min l 7 h = ... min
m 12 h = ... min n 10 min = ... s o 4 h = ... min p 15 min = ... h

Fun Spot 9:02 | What do bees do if they want to catch public transport?

Fill in the gaps for each question. Match the letters with the answers below.

- A 75 cm = ... mm B 5 m = ... mm I 5 m = ... cm
O 500 cm = ... m P 570 mm = ... cm S 7 m = ... mm
T 7 cm = ... mm U 70 mm = ... cm W 75 m = ... cm Z 5 cm = ... mm

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7500 750 500 70

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750 70

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750

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5000 7 50 50

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7000 70 5 57

9:02 Units of Length

- 1 a 2 cm b 3 cm c 6 cm d 9 cm e 9 cm f 12 cm
 2 a 80 b 3 c 9 d 8 e 7000 f 900 g 3000 h 120
 i 5 j 15 k 2000 l 11 000 m 5 n 10 000 o 8 p 6
 q 12 r 200 s 62 t 6000
 3 a 180 b 120 c 2 d 10 e 300 f 8 g 1440 h 5
 i 1200 j $\frac{1}{2}$ k 15 l 420 m 720 n 600 o 240 p $\frac{1}{4}$

9:03 Measuring Length

- 1 a 5 cm b 4 cm c 2 cm d 2 cm e 7 cm f 4 cm g 5 cm h 3 cm
 i 8 cm j 2 cm
 2 a 32 mm b 8 mm c 35 mm d 25 mm e 51 mm f 18 mm g 63 mm h 74 mm

9:05 Perimeter

- 1 a 9 cm b 31 cm c 24 cm d 64 cm e 56 m f 32 m g 23 m h 45 m
 i 16.4 cm j 48.5 m k 40 mm l 64 m m 52 cm n 22.6 m o 30 mm p 50 cm
 2 a 40 cm b 42 m c 200 m d 6 cm e 134 mm f 14.4 cm g 440 m h 8.4 cm
 i 77 cm j 60.2 m

9:06 The Calendar and Dates

- 1 a 14 b 3 c 1095 d 8 e 56 f 48 g 70 h 12
 i 52 j 120 k 40 l 6
 2 a 7 b 23 c 22 d 22 e 28 (or 29 in leap year) f 91 g 66
 h 28 i 61 j 25

9:07 Clocks and Times

- 1 a 60 b 120 c 600 d 1440 e 30 f 90 g 300 h 330
 i 15 j 135 k 660 l 420
 2 a 5 minutes to 9 b 20 minutes to 4 c 10 minutes past 12 d 20 minutes past 3
 e 15 minutes past 6 f 25 minutes to 1 g 10 minutes to 4 h 20 minutes to 1
 i 30 minutes past 12 j 15 minutes past 11 k 25 minutes past 9 l 25 minutes to 5

9:08 Operating With Time

- 1 a 7 h 30 min b 7 h 20 min c 6 h 35 min d 5 h 40 min
 e 10 h 55 min f 14 h 5 min g 13 h 30 min h 4 h 53 min
 i 10 h 26 min j 4 h 42 min k 2 h 46 min l 5 h 14 min
 2 a 3 h b 4 h c 6 h d 7 h e 11 h f 11 h
 g 7 h h 5 h i 12 h j 5 h k 12 h l 9 h
 3 a 15 min b 22 min c 30 min d 25 min
 e 1 h 20 min f 1 h 20 min g 2 h 30 min h 3 h 15 min
 i 34 min j 2 h 20 min k 1 h 5 min l 23 min

10:02 Making Sense of Algebra

- 1 a $x+2$ b $y+3$ c $3x$ d 6 e $a+8$ f $4y+3$ g $2x+3$ h $y+5$
 i $3a+3$ j $5y+3$
 2 a $2y+1$ b $2x+y$ c $x+y$ d $3x+2y$
 e $a+3b$ f $2x+3$ g $2a+3b$ h $3x+4$
 i $5x+2y$ j $4y+5$ k $2x+y+2$ l $a+3b+2$
 m $3a+2b+1$ n $x+2y+3$ o $m+n+4$

10:03 Substitution

- 1 a 36 b 40 c 11 d 3 e 9 f 15 g 0 h 63
 i 8 j 36 k 17 l 24 m 1 n 6 o 4 p 5
 2 a 2 b 8 c 20 d 16 e -3 f 8 g 19 h 20
 i 3 j 124 k 24 l 48 m -8 n -8 o 7 p 52
 q -3 r 12 s 28 t 30 u 3