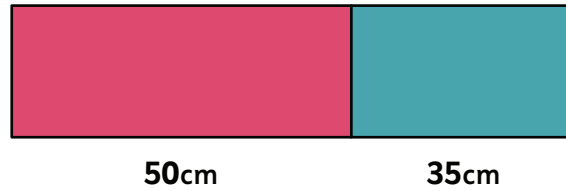# Add lengths

1) Joshua puts two plastic blocks next to each other.

50cm   **35**cm

What is their total length?

He then adds another plastic block that is 15cm long.

What is the new total length of these blocks?

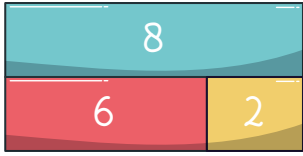# Add lengths

2) Complete these addition calculations.

a) **45cm** + **46cm** = ___ cm

b) **15mm** + **4cm** = ___ mm

c) ___ mm = **3cm** + **25mm**

d) **1m 40cm** + ___ cm = **175cm**

e) ___ mm + **1m 15cm** = **118cm**

Add lengths

8
6	2

Pictorial

E

3) Complete the models below.

cm

110cm   110cm   2m 25cm

_____ m _____ cm
4m	425cm	2m 15cm

Add lengths

$1T = \frac{1N}{C(m/s)} = \frac{1N}{Am}$

Problem solving

E
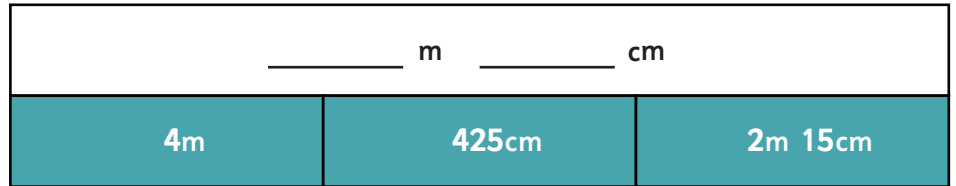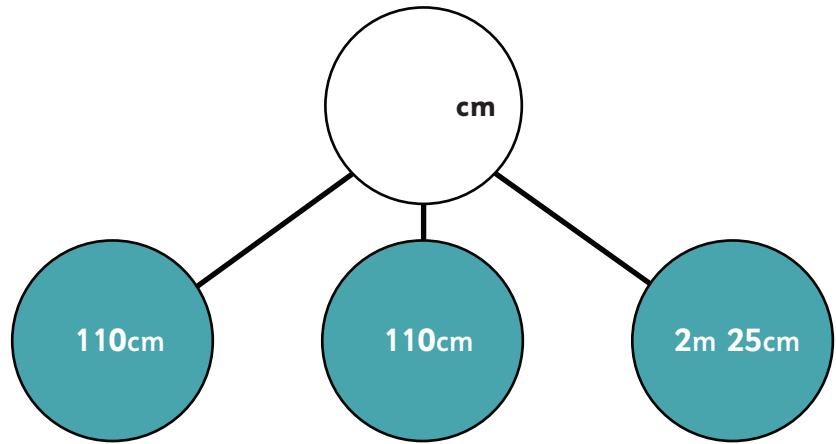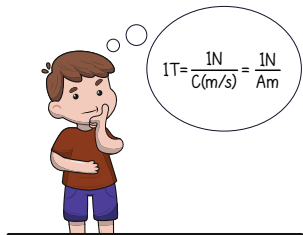
4) Three children are measuring how far they can swim without stopping each day. Their results are in the table below.

Child	Day 1	Day 2	Day 3	Total distance
Maisie	10m 20cm	15 and a $\frac{1}{2}$ metres	20m 20cm	___m___cm
Libby	15m	17m	22m 60cm	___m___cm
Pippa	12m	15m 40cm	17m 25cm	___m___cm

Complete the table and put the children in order from longest to shortest distance swam.

Longest distance   Shortest distance

Add lengths

5) A builder is using old bits of wood to make a shelf.

The shelf must be 16cm in length. He has 4 piles of wood each with different lengths. Each pile has more than 5 pieces in it. Find at least 3 different ways that he can he make the shelf using the planks of wood?
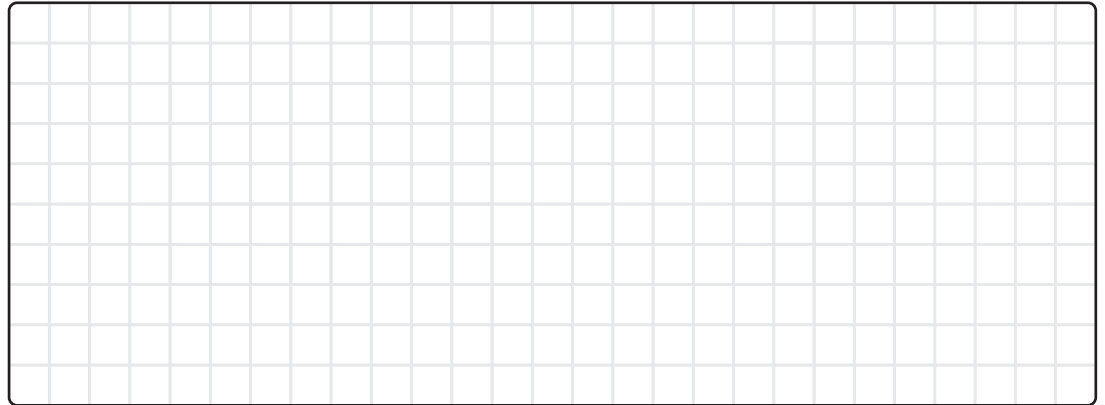
80mm	3cm	4cm	50mm

Add lengths

6)

345cm + 1m + 2m = 348cm

Beth

Beth has made a mistake with her calculation.

Explain the mistake she has made.

_____

_____

_____

_____

Add lengths

1) Joshua puts two plastic blocks next to each other.

50cm	35cm
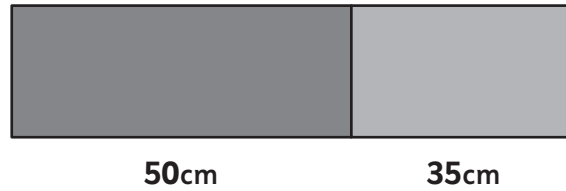
What is their total length?

85cm

He then adds another plastic block that is 15cm long.

What is the new total length of these blocks?

100cm or 1m

Add lengths

2) Complete these addition calculations.

a) 45cm + 46cm = **91** cm

b) 15mm + 4cm = **55** mm

c) **55** mm = 3cm + 25mm

d) 1m 40cm + **35** cm = 175cm

e) **30** mm + 1m 15cm = 118cm

Add lengths
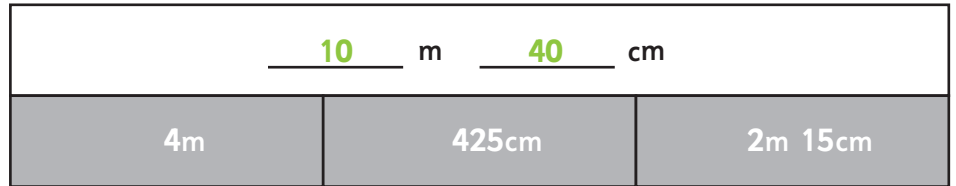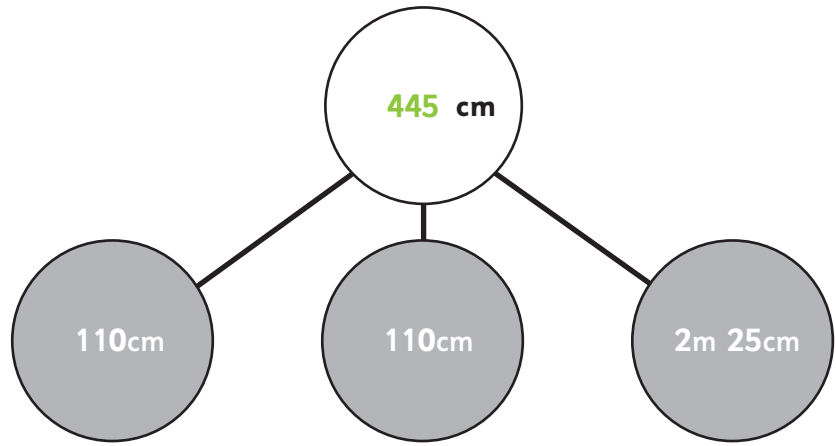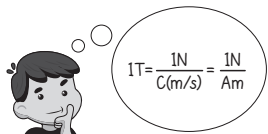
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3) Complete the models below.

445 cm

110cm   110cm   2m 25cm

_____10_____ m _____40_____ cm		
4m	425cm	2m 15cm

Add lengths

$1T= \dfrac{1N}{C(m/s)} = \dfrac{1N}{Am}$

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4) Three children are measuring how far they can swim without stopping each day. Their results are in the table below.

Child	Day 1	Day 2	Day 3	Total distance
Maisie	10m 20cm	15 and a $\frac{1}{2}$ metres	20m 20cm	45 m 90 cm
Libby	15m	17m	22m 60cm	54 m 60 cm
Pippa	12m	15m 40cm	17m 25cm	44 m 65 cm

Complete the table and put the children in order from longest to shortest distance swam.

Libby	Maisie	Pippa
Longest distance		**Shortest distance**

Add lengths

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5) A builder is using old bits of wood to make a shelf.

The shelf must be 16cm in length. He has 4 piles of wood each with different lengths. Each pile has more than 5 pieces in it. Find at least 3 different ways that he can he make the shelf using the planks of wood?

| 80mm | 3cm | 4cm | 50mm |

80mm + 80mm = 16cm
80mm + 4cm + 4cm = 16cm
4cm + 4cm + 4cm + 4cm = 16cm
50mm + 50mm + 3cm + 3cm = 16cm
50mm + 80mm + 3cm = 16cm

Add lengths

6)

345cm + 1m + 2m = 348cm
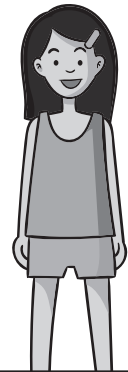
Beth

Beth has made a mistake with her calculation.

Explain the mistake she has made.

Beth has just added the three numbers together.

She needed to make sure they were in the same unit of measurement.

e.g 1m = 100cm and 2m = 200cm.

The answer should be 645cm or 6 m and 45cm.

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