

Increasing and decreasing by a fraction of an amount

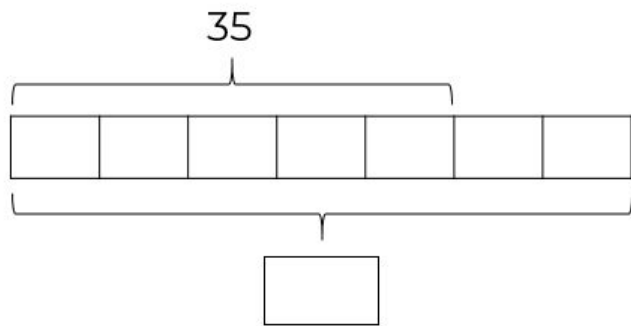
Maths

Mr Chan



Increasing by a fraction of an amount

1. Use the bar model to increase 35 by $\frac{2}{5}$



2. Beth is asked to decrease £55 by $\frac{2}{11}$
Here is her beginning of her working out.

$$55 \div 11 = 5$$

$$2 \times 5 = 10$$

What is the final calculation in working out?



Increasing by a fraction of an amount

3. Work out the following.

a) Increase 600kg by $\frac{2}{3}$

b) Decrease \$65 by $\frac{4}{5}$

c) Increase 7.5km by $\frac{3}{10}$

d) Decrease 63 mm by $\frac{6}{7}$

4. Emily has found the same TV in two different stores.

TV World

Normal price £450

Special offer

$\frac{1}{3}$ off normal price today!

TV me TV you

Normal price £387.50

Special offer

$\frac{1}{5}$ off normal price today!

Which store is the TV cheapest in?

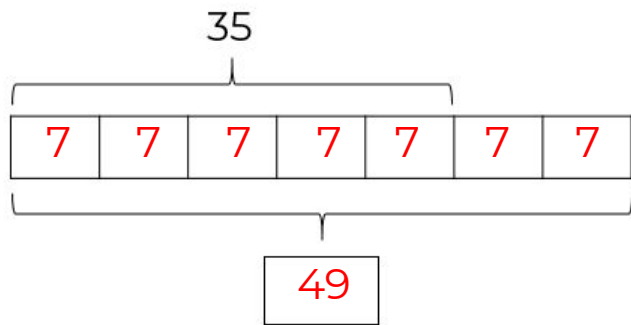


Answers



Increasing by a fraction of an amount

1. Use the bar model to increase 35 by $\frac{2}{5}$



2. Beth is asked to decrease £55 by $\frac{2}{11}$
Here is her beginning of her working out.

$$55 \div 11 = 5$$

$$2 \times 5 = 10$$

What is the final calculation in working out?

$$55 - 10 = 45$$



Increasing by a fraction of an amount

3. Work out the following.

a) Increase 600kg by $\frac{2}{3}$ 1000 kg

b) Decrease \$65 by $\frac{4}{5}$ \$13

c) Increase 7.5km by $\frac{3}{10}$ 9.75 kg

d) Decrease 63 mm by $\frac{6}{7}$ 9 mm

4. Emily has found the same TV in two different stores.

TV World

Normal price £450

Special offer

$\frac{1}{3}$ off normal price today!

TV me TV you

Normal price £387.50

Special offer

$\frac{1}{5}$ off normal price today!

Which store is the TV cheapest in?

TV world £300 (cheapest) TV me TV you £310

