b)

A machine can dig, on average, 3 cm of tunnel each minute.
It operates 18 hours of each day.
Work out how many days it should take to dig a tunnel of length 6.4 km ? Give your answer to the nearest day.

| How far can the <br> tunnel dig in a <br> day? | $3 \mathrm{~cm} \times 60=180 \mathrm{~cm}$ per hour <br> $180 \mathrm{~cm} \times 18=3240 \mathrm{~cm}$ per day |
| :---: | :---: |
| How long would <br> it take to dig the <br> tunnel? | 32.4 m per day |

What is this to the nearest day?
c)

A machine can dig, on average, 2.5 cm of tunnel each minute.
It operates 20 hours of each day.
Work out how many days it should take to dig a tunnel of length 5 km ?
Give your answer to the nearest day.

| How far can the tunnel dig in a day? | 2.5 cm per minute <br> $2.5 \mathrm{~cm} \times 60=150 \mathrm{~cm}$ per hour <br> $150 \mathrm{~cm} \times 20=3000 \mathrm{~cm}$ per day <br> 30 m per day |
| :---: | :---: |
| How long would it take to dig the tunnel? |  |
| What is this to the nearest day? |  |

BACKWARD FADED MATHS

