

Famous Mathematicians Top Maths Card Game Converting Units of Measure **Answers**

Bronze Cards	Pythagoras	Blaise Pascal	Fibonacci	Archimedes	Alan Turing	Ada Lovelace
A	10mm = 1 cm	100cm = 1 m	1km = 1000 m	1km = 100 000 cm	100mm = 10 cm	100m = 10 000 cm
B	500g = 0.5 kg	1000g = 1 kg	3kg = 3000 g	10kg = 10 000 g	1g = 1000 mg	2000mg = 2 g
C	5l = 5000 ml	10l = 10 000 ml	3000ml = 3 l	6500ml = 6.5 l	2l = 200 cl	500cl = 50 l
D	5 miles \approx 8 km	1 foot \approx 30 cm	1m \approx 40 inches	1inch \approx 2.5 cm	120 minutes = 2 hours	300 seconds = 5 minutes

Silver Cards	Pythagoras	Blaise Pascal	Fibonacci	Archimedes	Alan Turing	Ada Lovelace
A	50mm = 5 cm	800cm = 8 m	10km = 10 000 m	5km = 500 000 cm	80mm = 8 cm	12m = 1200 cm
B	1.05kg = 1050 g	3g = 0.003 kg	5370g = 5.37 kg	8.4kg = 8400 g	5g = 5000 mg	8000mg = 8 g
C	12l = 12 000 ml	100l = 100 000 ml	5500ml = 5.5 l	10 500ml = 10.5 l	2.5l = 250 cl	750cl = 7.5 l
D	50 miles \approx 80 km	12 feet \approx 360 cm	8m \approx 320 inches	5 inches \approx 12.5 cm	120 hours = 5 days	1 hour = 3600 seconds

Gold Cards	Pythagoras	Blaise Pascal	Fibonacci	Archimedes	Alan Turing	Ada Lovelace
A	500mm = 0.5 m	9000cm = 0.09 km	5.5km = 5500 m	2.5km = 250 000 cm	8.6m = 0.0086 km	12m = 1200 cm
B	$1\frac{1}{4}$ kg = 1250 g	$5\frac{1}{2}$ g = 0.0055 kg	82 000g = 82 kg	$9\frac{3}{4}$ kg = 9750 g	$2\frac{1}{5}$ g = 2200 mg	9250mg = 9.25 g
C	50l = 5000 cl	10cl = 100 ml	3500ml = 350 cl	$8\frac{1}{2}$ l = 8500 ml	$6\frac{2}{5}$ l = 640 cl	825cl = 8.25 l
D	1km \approx $\frac{5}{8}$ or 0.625 miles	99cm \approx 3.3 feet	120 inches \approx 3 m	60cm \approx 24 inches	1 week = 168 hours	72 000 seconds = 20 hours

Famous Mathematicians Top Maths Card Game

Converting Units of Measure

Instructions

You will need a set of cards per team. Students should play in pairs, although they could play in threes to absorb odd numbers.

This game can be played with all 18 cards or with two of the sets of six. The bronze cards are the easiest, followed by silver, with gold being the most difficult.

The cards are dealt out between the players and placed face down in piles in front of each player. Player One picks up their first card. They calculate the values for A, B, C and D. They should choose a value and announce it; for example, 'C is 7'.


The next player can now pick up their first card and then calculate their corresponding value; for example, 'C is 5'. If there is a third player, they would then have their turn. Whoever has the highest score wins the cards from the other players and puts them face down at the bottom of their pile. If the scores tied then each player keeps their own card. Player Two then picks up their uppermost card and calculates each value; play then continues in the same way, with each player taking a turn to go first.

The winner is the first person to win all the cards.

Students should check their partner's calculations after each turn. They should be encouraged to write their expressions and solutions in their books or on mini-white boards.



Famous Mathematicians Top Maths Card Game: Converting Units of Measure




Pythagoras

A	10mm = xcm
B	500g = xkg
C	5l = xml
D	5 miles ≈ xkm

Bronze

Famous Mathematicians Top Maths Card Game: Converting Units of Measure



Blaise Pascal

A	100cm = xcm
B	1000g = xkg
C	10l = xml
D	1 foot ≈ xcm

Bronze

Famous Mathematicians Top Maths Card
Game: Converting Units of Measure



Fibonacci

A $1\text{km} = x\text{m}$

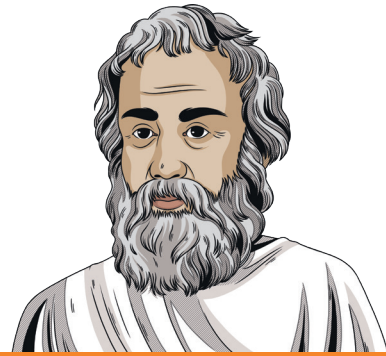
B $3\text{kg} = x\text{g}$

C $3000\text{ml} = x\text{l}$

D $1\text{m} \approx x \text{ inches}$

Bronze

Famous Mathematicians Top Maths Card
Game: Converting Units of Measure



Archimedes

A $1\text{km} = x\text{cm}$

B $10\text{kg} = x\text{g}$

C $6500\text{ml} = x\text{l}$

D $1\text{inch} \approx x\text{cm}$

Bronze

Famous Mathematicians Top Maths Card
Game: Converting Units of Measure



Alan Turing

A $100\text{mm} = x\text{cm}$

B $1\text{g} = x\text{mg}$

C $2\text{l} = x\text{cl}$

D $120 \text{ minutes} = x \text{ hours}$

Bronze

Famous Mathematicians Top Maths Card
Game: Converting Units of Measure



Ada Lovelace

A $100\text{m} = x\text{cm}$

B $2000\text{mg} = x\text{g}$

C $500\text{cl} = x\text{l}$

D $300 \text{ seconds} = x \text{ minutes}$

Bronze

Famous Mathematicians Top Maths Card
Game: Converting Units of Measure



Pythagoras

A 50mm = x cm

B 1.05kg = x g

C 12l = x ml

D 50 miles \approx x km

Silver

Famous Mathematicians Top Maths Card
Game: Converting Units of Measure



Blaise Pascal

A 800cm = x m

B 3g = x kg

C 100l = x ml

D 12 feet \approx x cm

Silver

Famous Mathematicians Top Maths Card
Game: Converting Units of Measure



Fibonacci

A 10km = x m

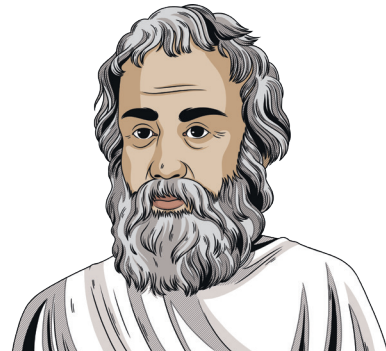
B 5370g = x kg

C 5500ml = x l

D 8m \approx x inches

Silver

Famous Mathematicians Top Maths Card
Game: Converting Units of Measure



Archimedes

A 5km = x cm

B 8.4kg = x g

C 10 500ml = x l

D 5 inches \approx x cm

Silver

Famous Mathematicians Top Maths Card
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Alan Turing

A 80mm = xcm

B 5g = xmg

C 2.5l = xcl

D 120 hours = x days

Silver

Famous Mathematicians Top Maths Card
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Ada Lovelace

A 12m = xcm

B 8000mg = xg

C 750cl = xl

D 1 hour = x seconds

Silver

Famous Mathematicians Top Maths Card
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Pythagoras

A 500mm = xm

B $1\frac{1}{4}$ kg = xg

C 50l = xcl

D 1km \approx x miles

Gold

Famous Mathematicians Top Maths Card
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Blaise Pascal

A 9000cm = xkm

B $5\frac{1}{2}$ g = xkg

C 10cl = xml

D 99cm \approx x feet

Gold

Famous Mathematicians Top Maths Card Game: Converting Units of Measure



Fibonacci

A $5.5\text{km} = x\text{m}$

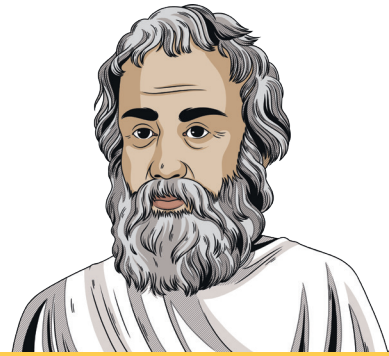
B $82\,000\text{g} = x\text{kg}$

C $3500\text{ml} = x\text{cl}$

D $120\text{ inches} \approx x\text{m}$

Gold

Famous Mathematicians Top Maths Card Game: Converting Units of Measure



Archimedes

A $2.5\text{km} = x\text{cm}$

B $9\frac{3}{4}\text{kg} = x\text{g}$

C $8\frac{1}{2}\text{l} = x\text{ml}$

D $60\text{cm} \approx x\text{ inches}$

Gold

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Alan Turing

A $8.6\text{m} = x\text{km}$

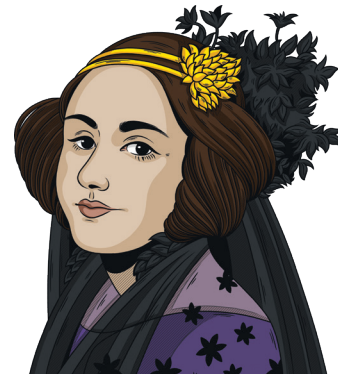
B $2\frac{1}{5}\text{g} = x\text{mg}$

C $6\frac{2}{5}\text{l} = x\text{cl}$

D $1\text{ week} = x\text{ hours}$

Gold

Famous Mathematicians Top Maths Card Game: Converting Units of Measure



Ada Lovelace

A $12\text{m} = x\text{cm}$

B $9250\text{mg} = x\text{g}$

C $825\text{cl} = x\text{l}$

D $72\,000\text{ seconds} = x\text{ hours}$

Gold