

# Daily Mental Math

Grade

# 7

2nd EDITION

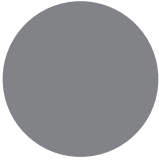











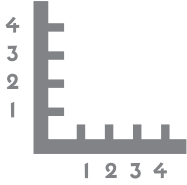
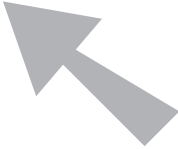

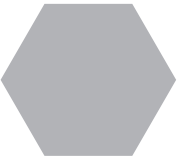







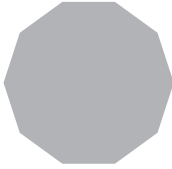

MONDAY

TUESDAY

WEDNESDAY


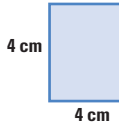


THURSDAY

FRIDAY

# MONDAY

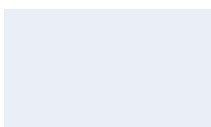


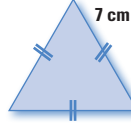
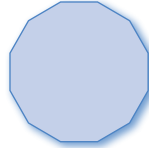
Date

- What is the time if the big hand is on 7 and the little hand is between 2 and 3?
- $8 \times 5 =$
- If a clock shows 9 o'clock, what is the angle between the two hands?  
  $45^\circ$    $90^\circ$    $9^\circ$
- $\pi$  is approximately (1, 2, 3, 4) .
- $\frac{4}{5} + \frac{4}{5} =$
- Write one million as a numeral.
- $\$20.00 - \$3.50 =$
- $2^3 =$    $\times$    $\times$    $=$
- Are the triangles congruent or similar?  
 congruent  
 similar  

- What is the area of a square with 4-cm sides?  
 
- $\frac{2}{3} \times 3 =$
- Simplify  $\frac{5}{10}$ .
- Name this shape.  
 
- Is 213 divisible by 3 or 4?
- 10% of 100 =
- $3\frac{3}{4}$  rounded = 3 or 4?
-   
 Measure this line.  cm
- What is the 24-hour time for 6:00 p.m.?
- What is the lowest common denominator (LCD) for  $\frac{1}{2}$  and  $\frac{1}{5}$ ?  
 8  10  20
- $4 - 0.2 =$







# TUESDAY

Date

- What is the time when the big hand is on 11 and the little hand is nearly on 5?
- Draw a reflection.  **EA**
- Round  $2\frac{7}{10}$  to the nearest whole number.
- What is the radius of a circle if its diameter is 5 cm?  
 
- Halve 500.
- $16 = (a + 8)$ , so  $a =$
- $(5 \times 5) + (2 \times 10) =$
- Draw diagonals. How many can there be?  
 
- The LCD for  $\frac{1}{4}$  and  $\frac{3}{10}$  is:  
 10  15  20  24
- What is the perimeter of an equilateral triangle with 7-cm sides?  
 
- (Roman Numeral) C =
- $47 + 97 =$
- Place value of 8 in 82,411?
- Name this shape.  
 
- Double 27.
- If 1 cm<sup>3</sup> displaces 1 mL of water, what volume of water is displaced by 100 cm<sup>3</sup>?
- $\$5.50 + \$6.50 =$
- Write one million one as a numeral.
- $5 \overline{)105} =$
- $4 \times \frac{3}{4} =$







- What is the time?
- 





**A B C D**

Which shapes are similar?

- 4, 9, 14,
- Write one million ten as a numeral.
- $6 - 0.3 =$
- An octagon has  sides.
- What is the 24-hour time for 9:00 p.m.?
- $70 = \text{double } a, \text{ so } a =$
- $2^4 =$    $\times$    $\times$    $\times$    $=$
- 

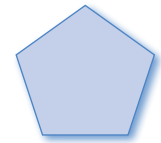
Measure this line in mm.  mm
- Simplify  $\frac{6}{9}$ .
- If a clock shows 3 o'clock, what is the size of the angle between the hands?  
  $45^\circ$      $90^\circ$      $180^\circ$
- 20% of \$100 =
- $8 \times 12 =$
- Halve 90.
- If a utility truck had a tare (mass of vehicle unladen) of 1,200 lb and the aggregate (gross laden mass) of 2,000 lb, what mass can it carry?  


- $9 \times \frac{2}{3} =$
- If a jar contains 4 chocolate chip cookies, 6 butter cookies, and 10 coconut cookies, what is the probability of picking a chocolate chip cookie?  



- The meaning of 8 in 85,633 is
- $6^2 =$




- What is the time?
- $\frac{3}{4} + \frac{3}{4} =$
- Draw diagonals. How many can there be?



- $2.5 \div 5 = 0.$
- What is the diameter of a circle if its radius is 6 cm?
- Divide \$80.00 equally among 16 people.  
 \$  each
- $(3 + 5) \times (3 + 4) =$
- (Roman Numeral) DC =
- Round  $3\frac{3}{7}$  (nearest whole number).
- The abbreviation EST stands for  
 E  Standard  
 T
- How many angles in a square?
- 60, 600, 6,000,
- $8,000 + 9,000 =$
- A van has a tare of 1,500 lb and an aggregate of 2,500 lb. What mass can it carry?  


- A pentagon has  sides.
- If you ride your bike 3 miles in 10 minutes, how many miles can you ride in one hour?  


- $15 - 9 =$
- Write one million one hundred as a numeral.
- $\$20.00 - \$3.25 =$
- A  $5 \text{ cm}^3$  block of wood displaces 5 mL of water. What volume is displaced by a  $50 \text{ cm}^3$  block?



# MONDAY

Date

- What is the time?
- What is the radius of a circle with a 10-cm diameter?
- Name this 3-D shape.

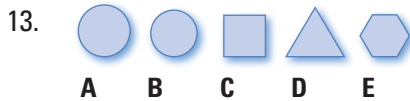


- $6,500 + 9,500 =$
- What is the place value of 9 in 962,000?
- $90 + b = 2 \times 70$  so  $b =$
- Write one million, one hundred one thousand as a numeral.

- $18.5 \div 10 =$
- If a clock shows 6 o'clock, what is the size of the angle created by the hands?  
  $90^\circ$      $45^\circ$      $60^\circ$      $180^\circ$

- Simplify  $10/15$ .
- (Roman numeral) M =

12.  $7 - 0.9 =$

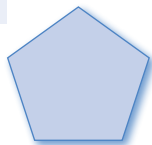


Which shapes are similar?

- 30% of \$50.00 =
- Is 3.7 rounded to 3 or 4?

16. How many quarters make \$2.00?

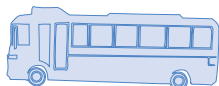
- A regular pentagon has 7-cm sides. What is its perimeter?



18.  $10 \times 2/5 =$

19.  $4.04 > 4.20$     true    false

- If a bus is leaving its depot at 9:05 a.m., and arrives at its first destination at 9:17 a.m., what is the traveling time?



# TUESDAY

Date

- What is the time?
- 



Draw a  $3/4$  turn clockwise.

- Is 715 divisible by 5?

4.  $(9 \times 5) \div (30 \div 6) =$

5. 15, 30, 45,

6.  $85 + 135 =$

7.  $2^5 =$

8.  $3/4 + 2/4 + 3/4 =$


- Name this shape.  
 

- What is the radius of a circle if its diameter is 3 m?

11.  $200 \div 5 =$

12. Simplify  $12/18$ .

- What would be the area of a rectangular field 100 m by 8 m?

- Name this shape.  
 

15.  $8 \times 3/4 =$

- If the Eastern Standard Time is 8:00 p.m. (no daylight savings), what is the time in California?

17.  $23.5 \div 10 =$

18.  $6 \times 8 =$

19. Double 55.

20. Round 8.6.



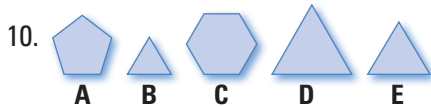


1. What is the time?
2.  $41.3 \div 10 =$
3. Write one million one hundred one as a numeral.
4.  $80 + b = 60 \times 2$ , so  $b =$
5. If a clock shows 9 o'clock, what is the size of the angle?  
  $90^\circ$      $45^\circ$      $60^\circ$
6.  $6.05 < 6.60$     true    false
7. What is the radius of a circle if its diameter is 4 cm?





Measure line  $AB$ .  mm

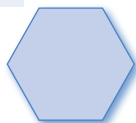
9. What is the meaning of 4 in 417,200?



Which shapes are similar?

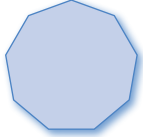

11. 40% of \$80 =
12. Draw diagonals. How many are there?  
13.  $9 - 0.9 =$
14.  $6 \overline{)126} =$
15. 25, 50, , 100
16. A block of wood displaced 200 mL of water from a bucket—how many  $\text{cm}^3$  is the block?  

17. Round 8.13. Is it 8.1 or 8.2?
18. What is the LCD for  $\frac{2}{8}$  and  $\frac{1}{2}$ ?
19. A regular hexagon has 9-cm sides. What is its perimeter?



20. How many quarters make \$5.00?



1. What is the time?
2. If the EST is 0500 (no daylight savings), what is the time in California?
3. Name this shape.  
 
4. If a van has an aggregate mass of 2,200 lb and carries its gross mass of 900 lb, what is the vehicle's tare?  
5. The LCD for  $\frac{3}{4}$  and  $\frac{2}{3}$  is .

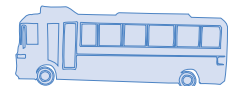
6.  $8 + 5 =$

7.  $(8 \times 4) \div (16 \div 4) =$

8. (Roman Numeral) CM =

9.  $\frac{8}{10} - \frac{3}{10} =$


10. If a bus drives from 8:02 a.m. until 8:13 a.m., what is the traveling time?



11.  $16 - 7 =$

12. Simplify  $\frac{12}{16}$ .

13. Halve 85.

14. Draw a  $\frac{1}{2}$  turn. 

15. If you ride your bike  $2\frac{1}{2}$  miles in 10 minutes, how many miles can you travel in 1 hour?



16. What is the chance of picking a blue pen if your pencil case has 4 red and 6 blue pens?



17.  $111 - 9 =$

18. Round 5.27. Is it 5.2 or 5.3?

19. 60% of \$50 =

20. A decagon has  sides.

