

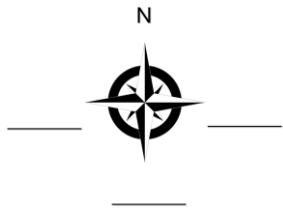


**MATH ASSESSMENT PRACTICE QUESTIONS:**

1.  $35 + 82 + 75 + 12 =$
2.  $16 + 66 + 83 + 12 =$
3.  $12 + 7 + 66 + 18 =$
4.  $83 + 107 + 15 + 4 =$
5.  $99 - 42 - 7 - 8 =$
6.  $112 - 81 - 15 - 3 =$
7.  $75 - 5 - 15 - 10 =$
8.  $205 - 5 - 100 - 55 =$
9.  $18 + 108 - 76 - 4 + 18 =$
10.  $99 - 14 - 6 + 32 + 15 - 41 =$
11.  $12 \times 3 \times 4 =$
12.  $20 \times 20 \times 8 =$
13.  $8 \times 14 \times 8 =$
14.  $16 \times 2 \times 4 =$
15.  $75 \div 5 \div 3 =$
16.  $252 \div 7 \div 3 =$
17.  $114 \div 2 \div 1 =$
18.  $55 \times 14 \div 70 \times 3 =$
19.  $264 \div 11 \times 5 \div 12 =$
20.  $12 \times 10 \div 6 \div 2 =$

**TECHNICAL ASSESSMENT PRACTICE QUESTIONS:**

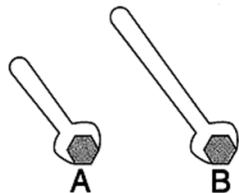
1. Fill In the compass rose below:



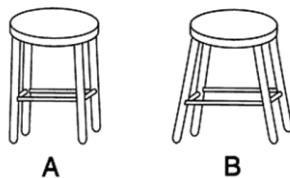
2. If you are facing North and turn 90 degrees to your right, which direction are you facing?
3. If you are facing East and turn 180 degrees, which direction are you facing?
4. If you are facing South and turn 90 degrees to your left, which direction are you facing?
5. If you are facing West and turn 90 degrees to your right, which direction are you facing?
6. If you are facing West and turn 180 degrees, which direction are you facing?
7. If you are facing North and turn 180 degrees, which direction are you facing?
8. West is in the opposite direction of East. True or False
9. West is in the opposite direction of South. True or False
10. North is in the opposite direction of East. True or False



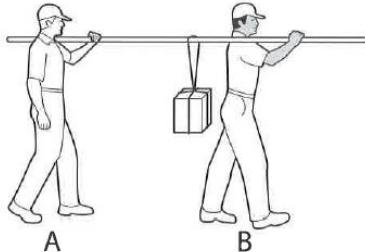
11. Which wrench will make it easier to tighten the bolt?



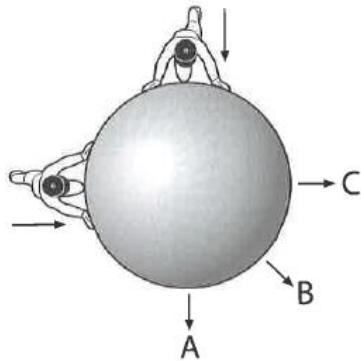
12. These stools are the same height. Which is more likely to tip over when an active child sits on it?



13. Which man carries more weight? (if equal, mark C)



14. If the two people are pushing against a pushball with equal force in the directions shown below, which direction is the pushball most likely to go?





**Math Answer Key:**

- 1)  $35 + 82 + 75 + 12 = \mathbf{204}$
- 2)  $16 + 66 + 83 + 12 = \mathbf{177}$
- 3)  $12 + 7 + 66 + 18 = \mathbf{103}$
- 4)  $83 + 107 + 15 + 4 = \mathbf{209}$
- 5)  $99 - 42 - 7 - 8 = \mathbf{42}$
- 6)  $112 - 81 - 15 - 3 = \mathbf{13}$
- 7)  $75 - 5 - 15 - 10 = \mathbf{45}$
- 8)  $205 - 5 - 100 - 55 = \mathbf{45}$
- 9)  $18 + 108 - 76 - 4 + 18 = \mathbf{64}$
- 10)  $99 - 14 - 6 + 32 + 15 - 41 = \mathbf{85}$
- 11)  $12 \times 3 \times 4 = \mathbf{144}$
- 12)  $20 \times 20 \times 8 = \mathbf{3200}$
- 13)  $8 \times 14 \times 8 = \mathbf{896}$
- 14)  $16 \times 2 \times 4 = \mathbf{128}$
- 15)  $75 \div 5 \div 3 = \mathbf{5}$
- 16)  $252 \div 7 \div 3 = \mathbf{12}$
- 17)  $114 \div 2 \div 1 = \mathbf{57}$
- 18)  $55 \times 14 \div 70 \times 3 = \mathbf{33}$
- 19)  $264 \div 11 \times 5 \div 12 = \mathbf{10}$
- 20)  $12 \times 10 \div 6 \div 2 = \mathbf{10}$

**Technical Answer Key:**

- 1)
  - 2) East
  - 3) West
  - 4) East
  - 5) North
  - 6) East
  - 7) South
  - 8) True
  - 9) False
  - 10) False
  - 11) B
  - 12) A
  - 13) B
  - 14) B
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